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SUBJECT Characteristics of AT guns, Small Arms  
and Ammunition in Soviet Army

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AT Guns

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1. [ ] the following antitank guns in the Soviet Army:  
the 57 mm model 1943 ZIS (Zavod Imeniy Stalina), the 76 mm model  
1942-43 ZIS, the 85 mm model 1949 ZIS and the 100 mm ZIS. The  
ZIS gun is everywhere, it seems, and I hear that there are many  
ZIS plants. The new 85 mm gun, gradually replacing the 76 mm  
gun which is used mostly in training, was made in 1949. [ ]

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[ ] All guns from 57 mm  
to 100 mm are used as AT weapons. Another, older, 82 mm AT gun,  
[ ] was on tank turrets.

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2. [ ] unit used the 57 mm and the 76 mm antitank guns. Character-  
istics of the 57 mm antitank gun were [ ]

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Range: 11,800 meters

Direct fire: 1,100 meters

Traverse: 54 degrees - 27 left and 27 right

Elevation: 30 degrees - plus 25 and minus five degrees

Effective fire: 100 - 8000 meters

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25 YEAR RE-REVIEW

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Leading: semi-automatic

Rate of fire: 25 unaimed, 15 direct shots per minute

Weight: 1,150 kg

Traction: Studebaker truck

Width in motion: 144 cm

Ground clearance: 34 cm

Characteristics of the 76 mm ZIS 1942-43 were as follows:

Range: 13,800 meters

Direct fire: 800 meters

Traverse: 54 degrees - 27 left and 27 right

Elevation: 37 degrees - plus 30 and minus seven degrees

Rate of fire: 20 unaimed, 10-12 direct shots per minute

Weight: 1,250 kg

Traction: Studebaker truck.

In other respects this gun is the same as the 57 mm.

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Small Arms

3. [redacted] the Carbine 1938-30  
 /these numbers signify: Model 1930, reconstructed in 1938/  
 the caliber, 7.62. Its effective range is 800 to 1,200 meters.  
 It is a bolt gun and holds five cartridges.  
 [redacted] new carbine issued in the Soviet Union in 1951 which holds  
 10 cartridges. With it the best rifleman can fire 54 shots  
 per minute. The average shooting speed among the troops is 10  
 shots per minute. The PPSH (Pistolet Pulemet Shpagina)  
 automatic 7.62 has an effective fire of 800 meters.

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Rocket Launcher

4. [redacted] the rocket launcher "Katyusha". There was an entire  
 RS regiment, the 90th Regiment, 2nd Brigade, 9th Tank Division,  
 Second Army, stationed in Oranienburg. Other regiments in the  
 brigade were the 94th, the 96th and the 590th.

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Ammunition

1. [redacted] following AT ammunition used [redacted]  
 (a) 57mm fragmentary shell (oskolochno-fugasnyy snaryad). It  
 had some symbols engraved on it ([redacted] letters  
 OF) (oskolochno-fugasnyy) numbers of the factory, and of  
 the assembly plant; SV (svezhyy porokh - fresh powder).  
 All shells had SV on them. Muzzle velocity: 720 meters  
 per second.

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- (b) Armor-piercing shell (broneboynny snaryad) 57mm.  
Symbols: BR (bronyeboynny), Nos of factory and assembly plant, and SV. Muzzle velocity: 990 meters per second.
- (c) Subcaliber projectile (podkalibernyy snaryad) 57mm.  
Symbols: PK, (podkalibernyy), Nos of factory and assembly plant, and SV. This is considered the most effective shell. It is for war use only. The projectile is composed of two parts and the internal part is tipped with tungsten. Muzzle velocity: 1,270 meters per second. The projectile weighs about six kilograms. The casing is about 50 centimeters long, and the shell 20 centimeters. Battery's unit of fire: 240 shells-230 ordinary shells, and 10 subcaliber projectiles.

## 6. Small arms ammunition

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- (a) 7.62mm carbine-1938. There are two kinds of cartridges issued: red-tipped and yellow-tipped. The red are bursting, and the yellow are igniting bullets.
- (b) 7.62mm PPSH (Pistolet Pulemet Shpagina) SMG, invented by Shpagina. Date of cartridge manufacture ranges from 1940-1943.
- (c) 7.62mm TT pistol. Eight cartridges in the magazine.

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